

MARKERS FOR EVALUATING ESTROGENIC ACTIVITY

Abstract of the Disclosure

5 Methods are provided for evaluating estrogenic and
antiestrogenic effects of candidate therapeutic agents.
Such methods are generally based on assays to detect
modulation of estrogen-regulated marker expression in one or
more specific cell types. Agents identified using such
10 methods may be used, for example, in the prevention and
treatmnt of diseases such as osteoporosis, cardiovascular
disease and cancer.

In addition, the gene discovery approaches discussed
have identified a unique gene profile for estrogen
15 regulation in vascular endothelial cells. This gene profile
will allow characterization of the effects of potential
SERMs in the cardiovascular system. This gene profile and
the assays established with these genes will enable more
extensive evaluation of tissue specific properties of SERM
20 compounds and provide a better understanding of
cardiovascular effects of SERMs.